

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	66	radix adj sort	US-PGPUB; USPAT	OR	ON	2006/04/10 16:27
S3	370	radix and virtual and storage	US-PGPUB; USPAT	OR	ON	2006/04/10 16:27
S5	8	S2 same storage	US-PGPUB; USPAT	OR	ON	2006/04/10 16:30
S7	2918	reference adj count	US-PGPUB; USPAT	OR	ON	2006/04/10 16:31
S9	6	S2 and "711"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/04/10 16:31
S10	248	S7 and "711"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/04/10 16:32
S13	23	radix and S7	US-PGPUB; USPAT	OR	ON	2006/04/10 16:32
S14	33	("5193184"   "5210866"   "5403639"   "5410667").PN. OR ("6038639").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/10 17:05
S16	0	S14 and radix	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/10 17:06
S17	34	virtual adj track adj table	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/10 17:07
S18	1	sort and S17	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/10 17:07
S19	21	count and S17	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/10 17:08
S22	1	regenerat\$4 and S21	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/10 17:10
S24	2	((("5379391") or ("6038639"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/04/18 10:14
S27	0	@pd="20000314" and O'Brian.in.	US-PGPUB; USPAT	OR	ON	2006/04/18 10:16
S28	34	@pd="20000314" and Brian.in.	US-PGPUB; USPAT	OR	ON	2006/04/18 10:22
S32	31	"6038639"	US-PGPUB; USPAT	OR	ON	2006/05/01 12:11

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S2	66	radix adj sort	US-PGPUB; USPAT	OR	ON	2006/04/10 16:27
S3	370	radix and virtual and storage	US-PGPUB; USPAT	OR	ON	2006/04/10 16:27
S7	2918	reference adj count	US-PGPUB; USPAT	OR	ON	2006/04/10 16:31
S9	6	S2 and "711"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/04/10 16:31
S10	248	S7 and "711"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/04/10 16:32
S17	34	virtual adj track adj table	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/10 17:07
S19	21	count and S17	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/10 17:08
S24	788	inode	US-PGPUB; USPAT	OR	ON	2006/04/10 18:30
S25	2	S24 and gnode	US-PGPUB; USPAT	OR	ON	2006/04/10 18:30
S27	379	S24 and virtual and storage and file adj system	US-PGPUB; USPAT	OR	ON	2006/04/10 18:31
S28	28285	"711".clas.	US-PGPUB; USPAT	OR	ON	2006/04/18 11:48
S32	2907953	virtual adj track and track number	US-PGPUB; USPAT	OR	ON	2006/04/10 18:42
S33	15262	(recovery regenerat\$4) same (count\$2)	US-PGPUB; USPAT	OR	ON	2006/04/18 11:54
S36	91	virtual adj track and track adj number	US-PGPUB; USPAT	OR	ON	2006/04/10 18:42
S39	382	(DETAR with GEORGE O'BRIEN with JOHN).in.	US-PGPUB; USPAT	OR	ON	2006/04/10 18:45
S43	21	regeneration and S42	US-PGPUB; USPAT	OR	ON	2006/04/10 18:54
S44	26	regenera\$4 and S42	US-PGPUB; USPAT	OR	ON	2006/04/10 18:54
S46	165	(711/210).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/04/18 11:49
S48	7	S46 and sort	US-PGPUB; USPAT	OR	ON	2006/04/18 11:54
S49	16	(recovery regenerat\$4) and S46	US-PGPUB; USPAT	OR	ON	2006/04/18 11:54

## EAST Search History

S52	57	S46 and count\$2	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/18 12:00
S54	6073	(alias synonym) with (count number)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/18 12:08
S56	1	S55 and (decrement increment)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/18 12:19

*Some Selkirk  
are copies*

	Document ID	Issue Date	Inventor	Current OR
1	US 20020053009 A1	20020502	Selkirk, Stephen S. et al.	711/162
2	US 20020087544 A1	20020704	Selkirk, Stephen S. et al.	707/10
3	US 20020087787 A1	20020704	Selkirk, Stephen S. et al.	711/114
4	US 20020178335 A1	20021128	Selkirk, Stephen S. et al.	711/162
5	US 20030005248 A1	20030102	Selkirk, Stephen S. et al.	711/165
6	US 20030221076 A1	20031127	Milligan, Charles A. et al.	711/165
7	US 4400770 A	19830823	Chan; Shiu K. et al.	711/3
8	US 5410667 A	19950425	Belsan; Jay S. et al.	711/114
9	US 5668968 A	19970916	Wu; Ching-Farn E.	711/3
10	US 5930833 A	19990727	Yoshioka; Shinichi et al.	711/210
11	US 6038639 A	20000314	O'Brien; John Timothy et al.	711/114

	Document ID	Issue Date	Inventor	Current OR
12	US 6061774 A	20000509	Witek; Richard Thomas	711/210
13	US 6421767 B1	20020716	Milillo; Michael Steven et al.	711/162
14	US 6675282 B2	20040106	Hum; Herbert H. J. et al.	711/213
15	US 6779094 B2	20040817	Selkirk; Stephen S. et al.	711/165
16	US 6779095 B2	20040817	Selkirk; Stephen S. et al.	711/165
17	US 6804755 B2	20041012	Selkirk; Stephen S. et al.	711/165
18	US 6912537 B2	20050628	Selkirk; Stephen S. et al.	707/100
19	US 6978356 B2	20051220	Selkirk; Stephen S. et al.	711/203
20	US 7024525 B2	20060404	Yoder; Benjamin W. et al.	711/156

	Document ID	Title	Inventor	Current OR
1	US 4347567 A	Computer system apparatus for improving access to memory by deferring write operations	DeTar, Jr.; George F. et al.	711/154
2	US 6421767 B1	Method and apparatus for managing a storage system using snapshot copy operations with snap groups	Milillo; Michael Steven et al.	711/162
3	US 20030221076 A1	Apparatus and method for implementing dynamic structure level pointers	Milligan, Charles A. et al.	711/165
4	US 6038639 A	Data file storage management system for snapshot copy operations	O'Brien; John Timothy et al.	711/114
5	US 20030005248 A1	Apparatus and method for instant copy of data	Selkirk, Stephen S. et al.	711/165
6	US 20020087544 A1	Dynamically changeable virtual mapping scheme	Selkirk, Stephen S. et al.	707/10
7	US 20020053009 A1	Apparatus and method for instant copy of data in a dynamically changeable virtual mapping environment	Selkirk, Stephen S. et al.	711/162
8	US 20020087787 A1	System to support dynamically flexible data definitions and storage requirements	Selkirk, Stephen S. et al.	711/114
9	US 20020178335 A1	Apparatus and method for dynamically changeable virtual mapping scheme	Selkirk, Stephen S. et al.	711/162
10	US 6779095 B2	Apparatus and method for instant copy of data using pointers to new and original data in a data location	Selkirk; Stephen S. et al.	711/165

	Document ID	Title	Inventor	Current OR
<b>11</b>	US 6978356 B2	System to support dynamically flexible data definitions and storage requirements	Selkirk; Stephen S. et al.	711/203
<b>12</b>	US 6779094 B2	Apparatus and method for instant copy of data by writing new data to an additional physical storage area	Selkirk; Stephen S. et al.	711/165
<b>13</b>	US 6804755 B2	Apparatus and method for performing an instant copy of data based on a dynamically changeable virtual mapping scheme	Selkirk; Stephen S. et al.	711/165
<b>14</b>	US 6912537 B2	Dynamically changeable virtual mapping scheme	Selkirk; Stephen S. et al.	707/100